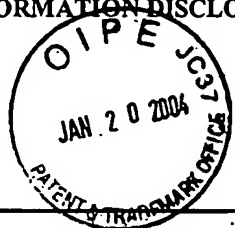


FORM PTO - 1449

INFORMATION DISCLOSURE STATEMENT



ATTORNEY DOCKET NO.: DPL-039

APPLICANT(S): Willig

SERIAL NO.: 10/712,177

FILING DATE: November 13, 2003

GROUP: Not yet assigned

2883

U.S. PATENT DOCUMENTS

EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
Bult	A1	4,008,061	02/15/77	Ramsay	65	4	—
Bult	A2	4,204,852	05/27/80	Watts et al.	65	4	—
Bult	A3	4,392,712	07/12/83	Ozeki	385	42X	—
Bult	A4	4,487,477	12/11/84	Helms et al.	350	172	—
Bult	A5	4,490,163	12/25/84	Jochem et al.	65	4.21	—
Bult	A6	4,902,323	02/20/90	Miller et al.	65	3.11	—
Bult	A7	4,920,366	04/24/90	Bowen et al.	385	53X	—
Bult	A8	4,979,972	12/25/90	Berkey et al.	65	4.2	—
Bult	A9	5,044,716	09/03/91	Berkey	385	51	—
Bult	A10	5,297,233	03/22/94	Lerminiaux	385	27	—
Bult	A11	5,408,556	04/18/95	Wong	385	48	—
Bult	A12	5,410,626	04/25/95	Okuta et al.	385	43	—
Bult	A13	Re. 35,138	01/02/96	Weidman	385	42	—
Bult	A14	5,664,037	09/02/97	Weidman	385	46	—
Bult	A15	5,923,470	07/13/99	Pan et al.	395	495	—
Bult	A16	6,370,919 B1	04/16/02	Kossat et al.	65	381	—
Bult	A17	6,406,197 B1	06/18/02	Okuda et al.	385	96	—

FOREIGN PATENT DOCUMENTS

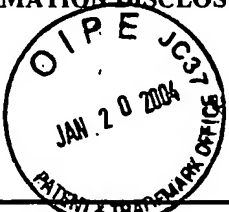
EXAM. INIT.		DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG (Y/N)
Bult	B1	0 527 427 B1	11/15/95	EP	385	42X	—	—	—

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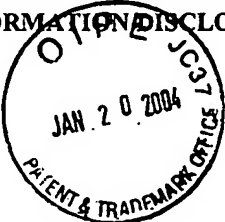
FORM PTO - 1449		ATTORNEY DOCKET NO.: DPL-039
INFORMATION DISCLOSURE STATEMENT		APPLICANT(S): Willig
		SERIAL NO.: 10/712,177
		FILING DATE: November 13, 2003
		GROUP: Not yet assigned 2883
OTHER ART, JOURNAL ARTICLES, ETC.		
EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)	
Bmt	C1	Bahrapour et al., "Theoretical Analysis of Spectral Hole Burning and Relaxation Oscillation in All-Optical Gain Stabilized Multichannel Erbium-Doped Fiber Amplifier (EDFA)," Journal of Lightwave Technology, 19 (8), August 2001, pp. 1130-1139.
Bmt	C2	Barron et al., "Multimode power combiners pump up," Photonics Spectra, January 2002, pp. 153, 154, 156, 158.
Bmt	C3	Berger et al., "Combining up to eight telescope beams in a single chip," 2000, 10 pages.
Bmt	C4	Booyesen et al., "Wavelength insensitive fiber optic sensor based on an axially strained fused coupler," SPIE, 2070, Fiber Optic and Laser Sensors XI, 1993, pp. 322-332.
Bmt	C5	El-Sabban et al., "Design of an integrated optical magic T for astronomy applications," Applied Optics, 39 (36), December 20, 2000, pp. 6781-6786.
Bmt	C6	Gadonna et al., "Reliability Evaluation for PON Power Splitters," SPIE, 2290, July 1994, pp. 170-184.
Bmt	C7	Grant et al., "Low-cost $M \times N$ couplers in silica-on-silicon for passive optical networks," International Journal for Optoelectronics, 9 (2), 1994, pp. 159-170.
Bmt	C8	Hanafusa et al., "Wavelength-flattened couplers fabricated from single-mode fibers with different core parameters," Optical Fiber Sensors, Springer Proceedings in Physics, 44, 1989, pp. 334-338
Bmt	C9	Hussey et al., "Fabrication of wavelength-flattened tapered couplers using polishing for cladding removal," Electronics Letters, 24 (17), August 18, 1988, pp. 1072-1073.
Bmt	C10	Ilev et al., "High efficiency wideband beam-splitter mirror for optical fibre reflectometry," International Journal of Optoelectronics, 9 (3), 1994, pp. 285-287.
Bmt	C11	Izutsu et al., "Operation mechanism of the single-mode optical-waveguide Y junction," Optics Letters, Vol. 7 (3), March 1982, pp. 136-138.
Bmt	C12	Kern et al., "Planar Integrated Optics contribution to instrumentation for interferometry," 2000, 12 pages.
Bmt	C13	Kishioka, "A Design Method To Achieve Wide Wavelength-Flattened Responses in the Directional Coupler-Type Optical Power Splitters," Journal of Lightwave Technology, 19 (11), November 2001, pp. 1705-1715.
Bmt	C14	Lee, "A Research Paper on Erbium Doper Fiber Amplifiers," http://www.jps.net/hansel/erbium , 1996, 8 pages.
Bmt	C15	Little et al., "Design Rules for Maximally Flat Wavelength-Insensitive Optical Power Dividers Using Mach-Zehnder Structures," IEEE Photonics Technology Letters, 9 (12), December 1997, pp. 1607-1609.

EXAMINER

B. Healy

DATE CONSIDERED

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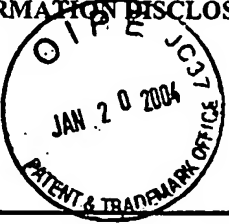
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		SERIAL NO.: 10/712,177
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OTHER ART, JOURNAL ARTICLES, ETC.		
EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)	
Bunt	C16	Luo et al., "Experimental and Theoretical Analysis of Relaxation-Oscillations and Spectral Hole Burning Effects in All-Optical Gain-Clamped EDFA's for WDM Networks," Journal of Lightwave Technology, 16 (4), April, 1998, pp. 527-533.
Bunt	C17	Moore et al., "Optimization of Tap Couplers Made by the FBT Process," http://www.gouldfo.com/tech/MADRAS.pdf , 6 pages.
BH	C18	Neyer et al., "A Beam Propagation Method Analysis of Active and Passive Waveguide Crossings," Journal of Lightwave Technology, LT-3 (3), June 1985, pp. 635-642.
Bunt	C19	Nolan, "Tapered-fiber couplers, MUX and DEMUX," Handbook of Optics, IV, Chapter 8, 10 pages.
Bunt	C20	Oakley et al., "Loss and spectral control in fused tapered couplers," Optical Engineering, 33 (12), December 1994, pp. 4006-4019.
Bunt	C21	Okamoto, "Theoretical Investigation of Light Coupling Phenomena in Wavelength-Flattened Couplers," Journal of Lightwave Technology, 8 (5), May 1990, pp. 678-683.
Bunt	C22	Orta et al., "A design technique for wideband optical couplers," SPIE, 2449, pp. 375-383.
Bunt	C23	O'Sullivan et al., "Truly wavelength-flattened monolithic couplers," Electronics Letters, 33 (4), February 13, 1997, pp. 321-322.
Bunt	C24	Rajaram et al., "Intelligent EDFAs are essential for metro networks," http://lw.pennet.com/Articles/Article_Display.cfm?Section=OnlineArticle&Su , 3 pages.
Bunt	C25	Takagi et al., "Silica-Based Waveguide-Type Wavelength-Insensitive Couplers (WINC's) With Series-Tapered Coupling Structure," Journal of Lightwave Technology, 10 (12), December 1992, pp. 1814-1824.
Bunt	C26	Tekippe et al., "Production, performance and reliability of fused couplers," pp. 1-6.
Bunt	C27	Weidman et al., "Fiber-based, slope adjustable filter elements provide EDFA gain tilt-control," Turn of the Volume, Guidelines, Corning, Summer 2001, 2 pages.
Bunt	C28	Witte et al., "Branching elements for optical data buses," Applied Optics, 20 (4), February 15, 1981, pp. 715-718.
Bunt	C29	Yanagawa et al., "Silica-based star-coupler planar lightwave circuit for passive double-star network," International Journal of Optoelectronics, 9 (2), 1994, pp. 151-158.
Bunt	C30	"Profiles of selected companies: Gould Electronics Inc.: products in the marketplace; strategies," http://www.dialogselect.com/business , February 1995, 1 page.
Bunt	C31	"Wavelength Flattened Couplers," http://www.gouldfo.com/products/ , 2 pages.

EXAMINER

B. Healy

DATE CONSIDERED

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FORM PTO - 1449 INFORMATION DISCLOSURE STATEMENT 		ATTORNEY DOCKET NO.: DPL-039 APPLICANT(S): Willig SERIAL NO.: 10/712,177 FILING DATE: November 13, 2003 GROUP: Not yet assigned 2883	
OTHER ART, JOURNAL ARTICLES, ETC.			
EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)		
BWT	C32	"Single Window Tap Couplers<10% Coupling Ratio," http://www.gouldfo.com/products/ , 7 pages.	
BWT	C33	"Fiber optic beam splitters/combiners," OZ Optics Ltd., September 1999, pp. 1-5.	
BWT	C34	"Fused fiber optic couplers," OZ Optics Ltd., September 1999, 2 pages.	
BWT	C35	"Erbium Doped Fiber Amplifier," ADVA Optical Service & Solutions, 2 pages.	
BWT	C36	Goff, "Semiconductor Optical Amplifiers," Fiber Optic Reference Guide, excerpt from Chapter 7, 1999, pp. 81-83, 88.	
BWT	C37	"Optical Fiber Amplifiers: Gain And Noise Figure," Hewlett-Packard, pp. 67-86.	
BWT	C38	"Polka dot beamsplitters," Thermo Oriel, http://www.thermo.com/ , 2 pages.	
BWT	C39	"Polka-dot beamsplitters," Edmund Industrial Optics, http://www.edmundoptics.com/ , 2001, 2 pages.	

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EXAMINER	B. Healy	DATE CONSIDERED	5/12/05
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